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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/032,886	12/26/2001	Masud Beroz	TESSERA 3.0-143 DIV	7965
530	7590	11/03/2005	EXAMINER	
LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK 600 SOUTH AVENUE WEST WESTFIELD, NJ 07090			TUGBANG, ANTHONY D	
			ART UNIT	PAPER NUMBER
			3729	

DATE MAILED: 11/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/032,886

Applicant(s)

BEROZ ET AL.

Examiner

A. Dexter Tugbang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 August 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) 5,7-13 and 20-44 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4,6 and 14-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 19, 2005 has been entered.

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action. The rejections below are maintained and hereby repeated for the applicant(s) convenience.

Election/Restrictions

3. Claims 5, 7-13 and 20-44 continue to stand as being withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the replies filed on April 6, 2004 and August 19, 2005.

Claim Rejections - 35 USC § 102

4. Claims 1, 3, 4, 6, 14-16 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Bilback 3,828,215.

Bilback discloses a framed sheet comprising: a frame (shown in Figs. 1 and 2) having an rectangular shaped aperture and a structure; a flexible sheet 16 having oppositely-facing

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exterior surfaces and a first metallic layer (either one of conductors 63, 64 or 46), a main region (bottom portion of sheet 16 in Fig. 2) extending across the aperture; the frame including more than one contact opening or holes (pierced regions discussed at col. 4, lines 57-62) extending through the structure and surrounded by a contact region, the sheet and the structure including an inner bond region (mating surfaces of 10, 16, 17) that mechanically isolates the contact region from the main region of the sheet, which meets all of the structural limitations of the claimed framed sheet.

The “whereby...” clause (last 3 lines of Claim 1) is fully satisfied by Bilsback in that Bilsback shows at least one electrical contact extending from components 34, 37 in which the structure of the contact region of the sheet is capable of not causing deformation of the main region of the sheet.

Regarding Claim(s) 15 and 16 and the limitations directed to the sheet being sealed to the mounting surface of the frame, see col. 3, lines 28+, in which Bilsback discusses the use of glass plates 14, 15 to seal the sheet to the mounting surface. It is these glass plates that expose an exterior surface of the sheet through the aperture.

Further regarding Claim(s) 16, the claimed “fillet” is broadly read as sealing material 47 (shown in Fig. 1).

Regarding Claim(s) 19, the structure includes an inner edge (vertical edge surfaces in Fig. 2) bounding the aperture and an inner edge surface (horizontal edge surfaces in Fig. 2) intersection a mounting surface (front surface of frame) with the inner edge surface sloping outwardly in a perpendicular manner away from the inner edge.

Claim Rejections - 35 USC § 103

5. Claims 2, 17 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bilback in view of Boudreau 5,528,826.

Bilback discloses the structure of the claimed invention as relied upon above, further including a “radius”, which is read as the small holes (not labeled) at the corners of the rectangular shaped aperture in sheet 16 (shown in Fig. 2). This “radius” joins the rear surface (back surface of the frame) and the inner edge surface (horizontal edge surfaces of aperture).

Bilback does not teach that the structure of the frame is partially formed from a dielectric material, as required by Claim 2, or that the rear surface (back surface of the frame) is less than 10 mm from the mounting surface (front surface of the frame in Fig. 2), as required by Claim 17.

Bondreau teaches that structures of frames can be made from a dielectric material with dimensions that include less than 10 mm between the rear surface and the mounting surface of the frame, i.e. thickness (see col. 2, lines 35-45).

It is noted that the frames of both Bilback and Bondreau each share that the frames formed are of a printed wiring board type with insulating or dielectric materials for electrical circuits. Bondreau teaches that the above material and dimensions at least allow the associated advantage of forming very thin frames or printed wiring board types with circuit patterns (see col. 1, lines 7+).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the structure and material of Bilback by including the dielectric

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material and dimensions of Bondreau, to positively form art recognized equivalent frames with very thin circuit patterns.

Response to Arguments

6. Applicant's arguments filed August 19, 2005 have been fully considered, but have not been deemed to be found as persuasive.

In regards to the merits of Bilback, the applicant(s) argue that Bilback does not teach that the frame holds the sheet in tension (required at line 9 of Claim 1 with similar limitations in each of Claim 14 and 16).

The examiner, having carefully revisited Bilback again with a thorough understanding of the term of *tension*¹, believes that the frame 10 does in fact hold the flexible sheet 16 in tension to the degree that the frame holds and supports the sheet 16 (in Fig. 1) and the position of the sheet is stretched to some degree of stiffness between the ends of the frame.

The applicant(s) also argue that Bilback does not teach that the flexible sheet is sealed to the mounting surface (as required in each of Claims 14 and 16).

The examiner notes that in viewing Figure 1 of Bilback, the flexible sheet 16 is considered to be sealed to the mating surface of the frame 10 to the extent that Bilback mentions that a snug fit occurs between the sheet 16 and the frame 10 (see col. 5, lines 23-34).

It appears that further structural limitations are needed in the claims to distinguish the claims over at least Bilback.

¹ Merriam-Webster Online Dictionary: tension - the condition or degree of being stretched to stiffness.

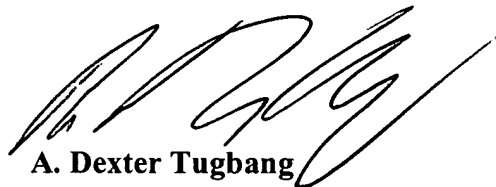
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Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Dexter Tugbang whose telephone number is 571-272-4570. The examiner can normally be reached on Monday - Friday 8:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**A. Dexter Tugbang
Primary Examiner
Art Unit 3729**

October 31, 2005
